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	SUBJECT	Potential for Research and Deve	lopment in Chemistry	NO. OF PAGES	<sup>2</sup> 50X1
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	OF THE UNITED	CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 783 THE U.S. COOF, AS AMENDED. ITS TRANSMISSION OF SEVE-1 CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED FRANCH IS FACULTY TO THE REPRODUCTION OF THIS FORM IS FROMISITED.	THIS IS UN	EVALUATED INFOR	MATION 50X1
	1.	Between 1930 and 1937 the Nationa strong department of chemistry. the University of Wisconsin, Studen a strongly competitive examination	It was patterned aft ts were admitted iro	er the departme	nut: ast 50X1
		and eager students to a stringent Tsing Hua with its required thesi MS at the average US university. spread to each of the provinces, nationwide. Consequently, there China, many of whom added to thei graduate schools in the US and Eu	discipline in chemis became the academi Then, as the Nation the Tsing Hua chemis are a great many well r good basic training	ic equivalent of nal University s stry curriculum Ll-trained chemi	the 50X1 yetem became sts in
	2.	Since 1937 China has been so exha and by civil strife that signific of chemistry has been negligible. industries undertaking research i after 1937 and never had a chance technicians and raw materials, co	ant research and dev Most of the labors n chemistry were tak to recover. However nsiderable potential	velopment in the atories, institute on over by the er, in terms of a exists.	field tes, and Japanese
r -	3.	The outstanding chemist in China professor of inorganic chemistry at the University of Berlin in 19 Riessenfeld, the atomic scientist papers in German journals on the is an excellent teacher, and in a some time with the Academia Sinic	36 or 37 where he wo . In a single year subject of heavy hyd ddition to his work	orked under Prof Chang published drogen peroxide.	. ll. Chang
	4.	Liquid fuels. With practically in China, liquefaction processes can fuels. China has had considerable toluene and phenol.	i provide an abundan	t supply of liqu	14
<b>14</b>	5•	High polymer materials. Very lit rubber in China because of the production of natural rubber. The production of	oximity and easy ac	cess to the sour	ce or
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start before the wars disrupted the industry. Here again the potential is tremendous because of the abundance of raw materials.

6. Explosives. Although most munitions were formerly imported from Japan, Czechoslovakia and Italy, each major warlord established arsensals in his own domain. Guncotton is well within the capabilities of these arsenals, but it is doubtful whether mannite is in production.

-end-

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